

North Dakota Nutrient Management Considerations for Soil Nutrient Loss Potential

Leaching Potentials

LOW ADSORPTION

MODERATE	SEVERE
<p>Commercial Fertilizer Fall Application Incorporation necessary (within 1 day) if residue cover is less than 30% after application. Spring Application Incorporation necessary (within 1 day) if residue cover is less than 30% after application.</p> <p>Ag Waste Fall Application Incorporation necessary (within 1 day) if residue cover is less than 30% after application. Spring Application Incorporation necessary (within 1 day) if residue cover is less than 30% after application.</p> <p>Max accumulation of N 150 lbs./ac Max accumulation of P 125 ppm</p>	<p>Commercial Fertilizer Fall Application Incorporation necessary (within 1 day) if residue cover is less than 50% after application. Spring Application Incorporation necessary (within 1 day) if residue cover is less than 50% after application.</p> <p>Ag Waste Fall Application Incorporation necessary (within 1 day) if residue cover is less than 50% after application. Spring Application Incorporation necessary (within 1 day) if residue cover is less than 50% after application.</p> <p>Max accumulation of N 100 lbs./ac Max accumulation of P 100 ppm</p>

POOR FILTER

MODERATE	SEVERE
<p>Commercial Fertilizer Fall Application Incorporation not necessary. Spring Application Incorporation not necessary.</p> <p>Ag Waste Fall Application Incorporation not necessary. Spring Application Incorporation not necessary.</p> <p>Max accumulation of N 150 lbs./ac Max accumulation of P 125 ppm</p>	<p>Commercial Fertilizer Fall Application Application not recommended. Spring Application Incorporation not necessary. Consider split applications.</p> <p>Ag Waste Fall Application Application not recommended. Spring Application Incorporation not necessary. Consider split applications.</p> <p>Max accumulation of N 100 lbs./ac Max accumulation of P 100 ppm</p>

SEEPAGE

MODERATE	SEVERE
<p>Commercial Fertilizer Fall Application Incorporation not necessary. Spring Application Incorporation not necessary.</p> <p>Ag Waste Fall Application Incorporation not necessary. Spring Application Incorporation not necessary.</p> <p>Max accumulation of N 150 lbs./ac Max accumulation of P 125 ppm</p>	<p>Commercial Fertilizer Fall Application Application not recommended. Spring Application Incorporation not necessary. Consider split applications.</p> <p>Ag Waste Fall Application Application not recommended. Spring Application Incorporation not necessary. Consider split applications.</p> <p>Max accumulation of N 100 lbs./ac Max accumulation of P 100 ppm</p>

Leaching Potentials Continued

WETNESS

MODERATE	SEVERE
<p>Commercial Fertilizer Fall Application Incorporation not necessary. Spring Application Incorporation not necessary.</p> <p>Ag Waste Fall Application Incorporation not necessary. Spring Application Incorporation not necessary.</p> <p>Max accumulation of N 150 lbs./ac Max accumulation of P 125 ppm</p>	<p>Commercial Fertilizer Fall Application Application not recommended. Spring Application Incorporation not necessary. Consider split applications.</p> <p>Ag Waste Fall Application Application not recommended. Spring Application Incorporation not necessary. Consider split applications.</p> <p>Max accumulation of N 100 lbs./ac Max accumulation of P 100 ppm</p>

Runoff Potentials

RUNOFF

MODERATE	SEVERE
<p>Commercial Fertilizer Fall Application Incorporation necessary (within 1 day) if residue cover is less than 30% after application. Spring Application Incorporation necessary (within 1 day) if residue cover is less than 30% after application.</p> <p>Ag Waste Fall Application Incorporation necessary (within 1 day) if residue cover is less than 30% after application. Spring Application Incorporation necessary (within 1 day) if residue cover is less than 30% after application.</p> <p>Max accumulation of N 150 lbs./ac Max accumulation of P 125 ppm</p>	<p>Commercial Fertilizer Fall Application Application not recommended.</p> <p>Spring Application Incorporation necessary (within 1 day) if residue cover is less than 30% after application.</p> <p>Ag Waste Fall Application Application not recommended.</p> <p>Spring Application Incorporation necessary (within 1 day) if residue cover is less than 30% after application.</p> <p>Max accumulation of N 100 lbs./ac Max accumulation of P 100 ppm</p>

FLOODING

MODERATE	SEVERE
<p>Commercial Fertilizer Fall Application Incorporation necessary (within 1 day) if residue cover is less than 30% after application. Spring Application Incorporation necessary (within 1 day) if residue cover is less than 30% after application.</p> <p>Ag Waste Fall Application Application not recommended. Spring Application Incorporation necessary (within 1 day).</p> <p>Max accumulation of N 180 lbs./ac Max accumulation of P 125 ppm</p>	<p>Commercial Fertilizer Fall Application Application not recommended.</p> <p>Spring Application Incorporation necessary (within 1 day) if residue cover is less than 50% after application.</p> <p>Ag Waste Fall Application Application not recommended. Spring Application Incorporation necessary (within 1 day).</p> <p>Max accumulation of N 160 lbs./ac Max accumulation of P 100 ppm</p>